

<input type="checkbox"/>	<u>4932054</u>	June 1990	Chou et al.	380/4
<input type="checkbox"/>	<u>4937863</u>	June 1990	Robert et al.	380/4
<input type="checkbox"/>	<u>4953209</u>	August 1990	Ryder, Sr. et al.	380/23
<input type="checkbox"/>	<u>4961142</u>	October 1990	Elliott et al.	364/408
<input type="checkbox"/>	<u>4977594</u>	December 1990	Shear	380/4
<input type="checkbox"/>	<u>5010571</u>	April 1991	Katznelson	380/4
<input type="checkbox"/>	<u>5014234</u>	May 1991	Edwards, Jr.	364/900
<input type="checkbox"/>	<u>5023907</u>	June 1991	Johnson et al.	380/4
<input type="checkbox"/>	<u>5047928</u>	September 1991	Wiedemer	364/406
<input type="checkbox"/>	<u>5050213</u>	September 1991	Shear	380/25
<input type="checkbox"/>	<u>5058164</u>	October 1991	Elmer et al.	380/50
<input type="checkbox"/>	<u>5103476</u>	April 1992	Waite et al.	380/4
<input type="checkbox"/>	<u>5113519</u>	May 1992	Johnson et al.	395/600
<input type="checkbox"/>	<u>5138712</u>	August 1992	Corbin	395/700
<input type="checkbox"/>	<u>5146499</u>	September 1992	Geffrotin	380/23
<input type="checkbox"/>	<u>5159182</u>	October 1992	Eisele	235/492
<input type="checkbox"/>	<u>5191193</u>	March 1993	Le Roux	235/379
<input type="checkbox"/>	<u>5204897</u>	April 1993	Wyman	380/4
<input type="checkbox"/>	<u>5247575</u>	September 1993	Sprague et al.	380/9
<input type="checkbox"/>	<u>5255106</u>	October 1993	Castro	380/18
<input type="checkbox"/>	<u>5260999</u>	November 1993	Wyman	380/4
<input type="checkbox"/>	<u>5291596</u>	March 1994	Mita	395/608
<input type="checkbox"/>	<u>5339091</u>	August 1994	Yamazaki et al.	345/104

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0332707	September 1989	EP	
2236604	April 1991	GB	
WO9220022	November 1992	WO	
9301550	January 1993	WO	

OTHER PUBLICATIONS

Press Release From Electronic Publishing Resources, Inc. (EPR) entitled "National Semiconductor and EPR Partner for Information Metering/Data Security Cards", dated Mar. 4, 1994.

Weber, R., "Digital Rights Management Technology", Oct. 1995.

European Search Report for Corresponding European Application 95308417.5.

U. Flasche et al., Decentralized Processing of Documents, Comput. & Graphics, vol. 10, No. 2, 1986, pp. 119-131.

R. Mori et al., Superdistribution: The Concept and the Architecture, The Transactions of the IEICE, vol. E 73, No. 7, 1990, Tokyo, JP, pp. 1133-1146.

Weber, R., "Metering Technologies For Digital Intellectual Property," A Report to the International Federation of Reproduction Rights Organizations, Oct. 1994, pp. 1-29.

Clark, P.C. and Hoffman, L.J., "Bits: A Smartcard Protected Operating System," Communications of the ACM, Nov. 1994, vol. 37, No. 11, pp. 66-70, and 94.

Ross, P.E., "Data guard", Forbes, Jun. 6, 1994, p. 101.

Saigh, W.K., "Knowledge is Sacred," Video Pocket/Page Reader Systems, Ltd., 1992.

Kahn, R.E., "Deposit, Registration And Recordation In An Electronic Copyright Management System," Corporation for National Research Initiatives, Virginia, Aug. 1992, pp. 1-19.

Hilts, P., Mutter, J., and Taylor, S., "Books While U Wait," Publishers Weekly, Jan. 3, 1994, pp. 48-50.

Strattner, A., "Cash register on a chip" may revolutionize software pricing and distribution; Wave Systems Corp., Computer Shopper. Copyright, Apr. 1994, vol. 14; No. 4; p. 62; ISSN 0886-0556.

O'Conner, M.A., "New distribution option for electronic publishers; iOpener data encryption and metering system for CD-ROM use; Column," CD-ROM Professional, Copyright, Mar. 1994, vol. 7; No. 2; p. 134; ISSN: 1049-0833.

Willett, S., "Metered PCs: Is your system watching you?"; Wave Systems beta tests new technology, InfoWorld, Copyright, May 2, 1994, p. 84.

Linn, R.J., "Copyright and Information Services in the Context of the National Research and Education Network.sup.1," IMA Intellectual Property Project Proceedings, Jan. 1994, vol. 1, Issue 1, pp. 9-20.

erritt, Jr., H.H., "Permissions Headers and Contract Law," IMA Intellectual Property Project Proceedings, Jan. 1994, vol. 1, Issue 1, pp. 27-48.

Upthegrove, L., and Roberts, R., "Intellectual Property Header Descriptors: A Dynamic Approach," IMA Intellectual Property Project Proceedings, Jan. 1994, vol. 1, Issue 1, pp. 63-66.

Sirbu, M.A., "Internet Billing Service Design and Prototype Implementation," IMA Intellectual Property Project Proceedings, Jan. 1994, vol. 1, Issue 1, pp. 67-80.

Simmel, S.S., and Godard, I., "Metering and Licensing of Resources: Kala's General Purpose Approach," IMA Intellectual Property Project Proceedings, Jan. 1994, vol. 1, Issue 1, pp. 81-110.

Kahn, R.E., "Deposit, Registration and Recordation in an Electronic Copyright Management System," IMA Intellectual Property Project Proceedings, Jan. 1994, vol. 1, Issue 1, pp. 111-120.

Tygar, J.D., and Bennet, Y., "Dyad: A System for Using Physically Secure Coprocessors," IMA Intellectual Property Project Proceedings, Jan. 1994, vol. 1, Issue 1, pp. 121-152.

Griswold, G.N., "A Method for Protecting Copyright on Networks," IMA Intellectual Property Project Proceedings, Jan. 1994, vol. 1, Issue 1, pp. 169-178.

Nelson, T.H., "A Publishing and Royalty Model for Networked Documents," IMA Intellectual Property Project Proceedings, Jan. 1994, vol. 1, Issue 1, pp. 257-259.

ART-UNIT: 232

PRIMARY-EXAMINER: Pan; Daniel H.

ATTY-AGENT-FIRM: Domingo; Richard B.

ABSTRACT:

A system for controlling use and distribution of digital works. The present invention allows the owner of a digital work to attach usage rights to their work. The usage rights define how the individual digital work may be used and distributed. Instances of usage rights are defined using a flexible and extensible usage rights grammar. Conceptually, a right in the usage rights grammar is a label associated with a predetermined behavior and conditions to exercising the right.

The behavior of a usage right is embodied in a predetermined set of usage transactions steps. The usage transaction steps further check all conditions which must be satisfied before the right may be exercised. These usage transaction steps define a protocol for requesting the exercise of a right and the carrying out of a right.

28 Claims, 20 Drawing figures

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)